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TECH CENTER 1600/2900

**PATENT** 

Matter No.: 21572-12 Applicant: Y. Ding et al.

Title: "Process for Direct Synthesis of Diesel Distillates with High Quality from Synthesis

Gas through Fischer-Tropsch Synthesis"

U.S. Serial No.: 10/052,485 Filed: January 17, 2002 **Examiner: Unassigned** 

I certify that on September <u>24</u>, 2002, which is the date I am signing this certificate, I am depositing this correspondence the United States Postal Service, first class mail, in an envelope addressed to Commissioner of Patents, Washington, D.C. 20231

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. § 1.56, the references listed below and on the attached Form PTO-1449A are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), as an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. We enclose copies of the cited documents.

It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached Form PTO-1449A with initials or other appropriate marks, and that the references be made of record as cited references in the application.

U.S. Serial No. 10/052,485 Docket No. 21572-12

Any additional fees required in connection with this communication which are not specifically provided for herewith are authorized to be charged to the Deposit Account No.

16-2230 in the name of Oppenheimer Wolff & Donnelly LLP. Any overpayments are also authorized to be credited to this account. A return postcard and this Transmittal Letter in duplicate are attached.

Respectfully submitted,

September <u>24</u>, 2002

Spyros J. Lazaris, Reg. No. 45,981

Attorney for Applicants

## Attachments:

IDS Form PTO-1449A with references Return Acknowledgment Postcard This paper in duplicate

## OPPENHEIMER WOLFF & DONNELLY LLP

2029 Century Park East, 38th Floor Los Angeles, California 90067-3024

Phone: (310) 788-5000 Fax: (310) 788-5100

SEP 3 0 2002

## Substitute for form 1449A/P TO INFORMATION DISCUSSION STATEMENT BY APPLICANT

Sheet

STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number 10/052,485

Filing Date January 17, 2002

First Named Inventor Y. Ding et al.

Art Unit 1764

Examiner Name Not assigned

Attorney Docket Number 21572-12

	U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite	Document Number	Publication Date	Name of Patentee or			
	No. 1	Number -Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document			
		US-4,478,954	10/23/84	Connolly et al.			
		US-4,542,122	09/17/85	Payne et al.			
		US-4,579,986	04/01/86	Sie			
	<del> </del>	US-4,992,159	02/12/91	Cody et al.			
		US-4,992,406	02/12/91	Mauldin et al.			
		US-5,324,335	06/28/94	Benham et al.			
		US-5,378,348	01/03/95	Davis et al.			
		US-5,522,983	06/04/96	Cash et al.			
		US-5,689,031	11/18/97	Berlowitz et al.			
		US-6,274,029 B1	08/14/01	Wittenbrink et al.			

	FOREIGN PATENT DOCUMENTS								
Examiner Initials* No.   Foreign Patent Document   Publication Date   Name of Patentee or   Applicant of Cited Document   Pages, Columns, Lines, Where Relevant Passages   No.   Country Code³-Number⁴-Kind Code⁵ (if known)   MM-DD-YYYY   Applicant of Cited Document   Relevant Figures Appear									
<del> · · · · · · · · · · · · · · · · ·</del>	-	EP Pub. No. 0 153 782 (A1)	09/04/85	Shell Internationale Research Maatschappij/Goudriaan et al					
	,	EP Pub. No. 0 153 782 (B1)	09/04/85	Shell Internationale Research Maatschappij/Goudriaan et al					

	OTHER PRIOR ART – NONPATENT LITERATURE DOCUMENTS						
Examiner Initials							
	i	J.E. Weber, Jr., "Testing of Aftermarket Products," <u>SAE The Engineering Resource For Advancing Mobility</u> , West Coast International Meeting & Exposition, San Diego, California pp. 1-7 (1984)					
.···-	4	M.A. Agee, "Economic Gas to Liquids Technologies-A New Paradigm for the Energy Industry," <u>Syntroleum Corporation</u> , Tulsa, Oklahoma pp. 1-10 (1997)					

Examiner Signature	Date	e Considered		
			i	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&#</sup>x27;Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>3</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

<sup>\*</sup>Substitute Disclosure Statement Form (PTO-1449)

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Substitute for form 1449A/PTO

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STATEMENT BY APPLICANT

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Application Number	10/052,485	-		7
Filing Date	January 17, 2002		0	Ĭ
First Named Inventor	Y. Ding et al.	$\overline{\mathbf{O}}$	<u> </u>	-
Art Unit	1764		\ <b>a</b>	7
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Examiner Initials*	Cite No. 1	Document Number  Number -Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	TEC
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	FOREIGN PATENT DOCUMENTS						, R
Examiner Initials*	Cite No. 1	Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	1600/2900	700
		EP Pub. No. 0 515 270 (A1)	11/25/92	Institut Français Du Petrole/ P.H. Bigeard et al.		<u> </u>	
		EP Pub. No. 0 515 270 (B1)	11/10/93	Ethyl Petroleum Additives, Inc./L.J. Cunningham et al.			
	/	GB Patent Specification No. 1 499 570	02/01/78	Atlantic Richfield Company			
	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	JP Patent No. 2,302,561 (A)	12/14/90	Not Translated			

Examiner	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher,	
Initials	No.1	city and/or country where published	T <sup>2</sup>
	1	"Petroleum Use and Greenhouse Gas Emissions of Selected Alternative Fuels," prepared by <u>EA Engineering</u> , <u>Science</u> , and <u>Technology</u> , <u>Inc.</u> 12 pgs. (1997)	
	*	A.J.V. Underwood, "Industrial Synthesis of Hydrocarbons from Hydrogen and Carbon Monoxide," <u>Industrial and Engineering Chemistry</u> Vol. 32, pp. 449-454 (1940)	
		P. Norton et al., "Emissions from Trucks using Fischer-Tropsch Diesel Fuel," SAE The Engineering Resource For Advancing Mobility, International Fall Fuels and Lubricants Meeting, San Francisco, CA, 12 pgs. (1998)	
		J. Erwin et al., "The Standing of Fischer-Tropsch Diesel in an Assay of Fuel Performance and Emissions,"  Southwest Research Institute pp. 1015-1053 (Pd. of Performance: 11/26/91 – 10/26/93)	

Examiner Signature	Date Considered		
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The policant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

<sup>\*</sup>Substitute Disclosure Statement Form (PTO-1449)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF OMMERCE

Complete if Known

Application Number: 10/052 485

INFORMATION DISCLUSIVE STATEMENT BY APPLICANT

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Application Number	10/052,485	※
Filing Date	January 17, 2002	
First Named Inventor	Y. Ding et al.	
Art Unit	1764	6
Examiner Name	Not assigned	90
Attorney Docket Number	21572-12	199
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		,	U.S. PATENT DOCUM	MENTS			U
Examiner Initials*	Cite No.	Document Number  Number -Kind Code² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document		CT 1	
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		PCT Int'l Pub. No. WO 94/28095	12/08/94	Exxon Research & Engineering Company/K. Arai et al.					
		PCT Int'l Pub. No. WO 97/21787	06/19/97	Exxon Research & Engineering Company/R. Wittenbrink et al.					

•		OTHER PRIOR ART - NONPATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. I Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		T <sup>2</sup>
	ð-	P.M. Morgan et al., "Some Comparative Chemical, Physical and Compatibility Properties of Sasol Slurry Phase Distillate Diesel Fuel," <u>SAE The Engineering Resource For Advancing Mobility</u> , International Fall Fuels and Lubricants Meeting, San Francisco, CA, 11 pgs. (1998)	
	~	"Fischer-Tropsch Wax Characterization and Upgrading: Final Report," DE88-014638 prepared by UOP, Inc. and Allied-Signal Engineered Materials Research Center, U.S. Department of Commerce National Technical Information Service work performed under Contract No. AC22-85PC80017 (1988)	

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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